

# ABSTRACT OF THE DISCLOSURE

An object of the invention is to lower the levels of audio outputs of an on-board audio system immediately upon the stop of a vehicle. Audio signals from an audio source are amplified through attenuating means by amplifying means to drive a loudspeaker. An output of a microphone for detecting noise is inputted to each of two integrating circuits. These integrating circuits have different fall time constants. Outputs of the integrating circuits are applied to selectively outputting means, which selectively derives an output having a lower level and then supplies the output as a control signal to the attenuating means. When the level of noise is high while the vehicle is running, the control signal has a high level and the attenuating means reduces an attenuation. Thus, the output of the audio source may be heard without a drift of the audio signal level. When the vehicle stops at a toll gate on an expressway, for example, the control signal level is lowered immediately, whereby the attenuation of the attenuating means is increased with the result that the convergence rate of a fall of the audio output is increased.

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